

Title (en)  
Method of fabricating a wind turbine blade assembly

Title (de)  
Herstellungsverfahren für ein Rotorblatt einer Windturbine

Title (fr)  
Procédé de fabrication d'une pale d'éolienne

Publication  
**EP 2134963 A1 20091223 (EN)**

Application  
**EP 07842393 A 20070913**

Priority  
• US 2007078361 W 20070913  
• US 72591607 A 20070320

Abstract (en)  
[origin: US2007217918A1] A lightweight wind turbine blade formed with a truss support structure assembly of composite truss joints including composite spar and cross members attached to and supporting in spaced relation a spine of lightweight rib panels. The rib panels are oriented in parallel spaced relation from one another and individually molded with perimeters defining individual areas of curvature for the finished blade assembly. The truss support structure is covered with a lightweight fiberglass or hardened fabric skin attached to and fitted on respective rib panel edges forming an airfoil structure.

IPC 8 full level  
**F03D 1/06** (2006.01)

CPC (source: EP KR US)  
**F03D 1/0633** (2013.01 - KR US); **F03D 1/0675** (2013.01 - EP KR US); **F05B 2240/30** (2013.01 - KR); **F05B 2250/71** (2013.01 - EP KR US); **F05B 2280/6003** (2013.01 - EP KR US); **F05B 2280/6013** (2013.01 - EP KR US); **F05C 2253/04** (2013.01 - EP KR US); **F05C 2253/16** (2013.01 - EP KR US); **Y02E 10/72** (2013.01 - EP KR US); **Y10T 29/49332** (2015.01 - EP US)

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